

1					50
PmCS	MNTLSQAIIKA	YNSNDYELAL	KLFEKSAEY	GRKIVEFQII	KCKEKLSTNS
PmHAS	MNTLSQAIIKA	YNSNDYQLAL	KLFEKSAEII	GRKIVEFQIT	KCKEKLsAHP
Consensus	MNTLSQAIIKA	YNSNDY#LAL	KLFEKSAEiY	GRKIVEFQIi	KCKEKLSanp
51					100
PmCS	YVS.....	EDKNSVCDS	SLDIATQLLL	SNVKKLtlSE	SEKNSLKNKW
PmHAS	SVNSAHLNVN	KEEKVNVCDS	PLDIATQLLL	SNVKKLVLSd	SEKNTLKNKW
Consensus	sVn.....	e#eKnnVCDS	plDIATQLLL	SNVKKLtlLS#	SEKNSLKNKW
101					150
PmCS	KSITGKKSEN	AEIRKVELVP	KDFPKDLVLA	PLPDHVNDFT	WYKNRKKSLG
PmHAS	KLLTEKKSEN	AEVRAVALVP	KDFPKDLVLA	PLPDHVNDFT	WYKKRKKRLG
Consensus	KliTeKKSEN	AE!RaValVP	KDFPKDLVLA	PLPDHVNDFT	WYKnRKKrLG
151					200
PmCS	IKPVNKNIGL	SIIPTFNRS	RILDITLACL	VNQKTnYPFE	VVVADDGSKE
PmHAS	IKPEHQHVGL	SIIVTTFNRP	AILSITLACL	VNQKThYPFE	VIVTDDGSQe
Consensus	IKPenqn!GL	SII!pTFNRP	aILdITLACL	VNQKTnYPFE	V!VaDDGSqE
201					250
PmCS	NLLTIVQKYE	QKLdIKYVRQ	KDYGyQLCAV	RNLGLRTAKY	DFVSILDCDM
PmHAS	DLSPiIRQYE	NKLDIRYVRQ	KDNGFQASAA	RNMGLRLAKY	DFIGLLDCDM
Consensus	#Llpl!rqYE	#KLDIRyVRQ	KDnG%QacAa	RN\$GLRLAKY	DF!gilDCDM

Fig. 1a

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	251					300
PmCS	APQQLWVHSY	LTELLEDNDI	VLIGPRKYVD	THNITAEQFL	NDPYLIESLP	
PmHAS	APNPLWVHSY	VAELLEDDDL	TIIGPRKYID	TQHIDPKDFL	NNASLLES LP	
Consensus	AP#qLWVHSY	laELLED#di	tiIGPRKY!D	TqnIcdae#FL	N#asLiESLP	
	301					350
PmCS	ETATNNNPSI	TSKGNISLDW	RLEHFKKTDN	LRLCDSPFY	FSCGNVAFSK	
PmHAS	EVKTNNSVAA	KEGTVSLDW	RLEQFEKTEN	LRLSDSPFRF	FAAGNVAFaK	
Consensus	EtaTNNnpaa	kgeGn!SLDW	RLEqFeKT#N	LRLcDSpFR%	FaaGNVAFaK	
	351					400
PmCS	EWLNVGVWFD	EEFNHWGGED	VEFGYRLFAK	GCFFRVIDGG	MAYHQEPPGK	
PmHAS	KWLNKSGFFD	EEFNHWGGED	VEFGYRLFRY	GSFFKTIDGI	MAYHQEPPGK	
Consensus	eWLNKsGffD	EEFNHWGGED	VEFGYRLFak	GcFFrtIDGg	MAYHQEPPGK	
	401					450
PmCS	ENETDREAGK	SITLKIVKEK	VPYIYRKLLP	IEDSHIHRIp	LVSIIYIPAYN	
PmHAS	ENETDREAGK	NITLDIMREK	VPYIYRKLLP	IEDSHINRVP	LVSIIYIPAYN	
Consensus	ENETDREAGK	nITldImrEK	VPYIYRKLLP	IEDSHInR!P	LVSIIYIPAYN	
	451					500
PmCS	CANYIQRCVD	SALNQTVVDL	EVCICNDGST	DNTLEVINKL	YGNNPRVRIM	
PmHAS	CANYIQRCVD	SALNQTVVDL	EVCICNDGST	DNTLEVINKL	YGNNPRVRIM	
Consensus	CANYIQRCVD	SALNQTVVDL	EVCICNDGST	DNTLEVINKL	YGNNPRVRIM	

Fig. 1b

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751						800
PmCS	HLTPDIKKEI	LAFYHKHQVN	ILLNNDISYY	TSNRLIKTEA	HLNINKLSQ	
PmHAS	HLTPDIKKEI	LAFYHKHQVN	ILLNNDISYY	TSNRLIKTEA	HLNINKLSQ	
Consensus	HLTPDIKKEI	LAFYHKHQVN	ILLNNDISYY	TSNRLIKTEA	HLNINKLSQ	
801						850
PmCS	LNLNCEYIIF	DNHDSL FVKN	DSYAYMKKYD	VGMNFSALTH	DWIEKINAH P	
PmHAS	LNLNCEYIIF	DNHDSL FVKN	DSYAYMKKYD	VGMNFSALTH	DWIEKINAH P	
Consensus	LNLNCEYIIF	DNHDSL FVKN	DSYAYMKKYD	VGMNFSALTH	DWIEKINAH P	
851						900
PmCS	PFKKLIKTYF	NDNDLRSMNV	KGASQGMFMK	YALPHELLTI	IKEVITSCQS	
PmHAS	PFKKLIKTYF	NDNDLKSMNV	KGASQGMFMT	YALAHELLTI	IKEVITSCQS	
Consensus	PFKKLIKTYF	NDNDLRSMNV	KGASQGMFMK	YALaHELLTI	IKEVITSCQS	
901						950
PmCS	IDSVPEYNTE	DIWFQFALLI	LEKKTGHVFN	KTSTLTYPMPW	ERKLQWTNEQ	
PmHAS	IDSVPEYNTE	DIWFQFALLI	LEKKTGHVFN	KTSTLTYPMPW	ERKLQWTNEQ	
Consensus	IDSVPEYNTE	DIWFQFALLI	LEKKTGHVFN	KTSTLTYPMPW	ERKLQWTNEQ	
951						972
PmCS	IQSAKKGENI	PVNKFIINSI	TL			
PmHAS	IESAKRGENI	PVNKFIINSI	TL			
Consensus	I#SAKrgENI	PVNKFIINSI	TL			

Fig. 1d

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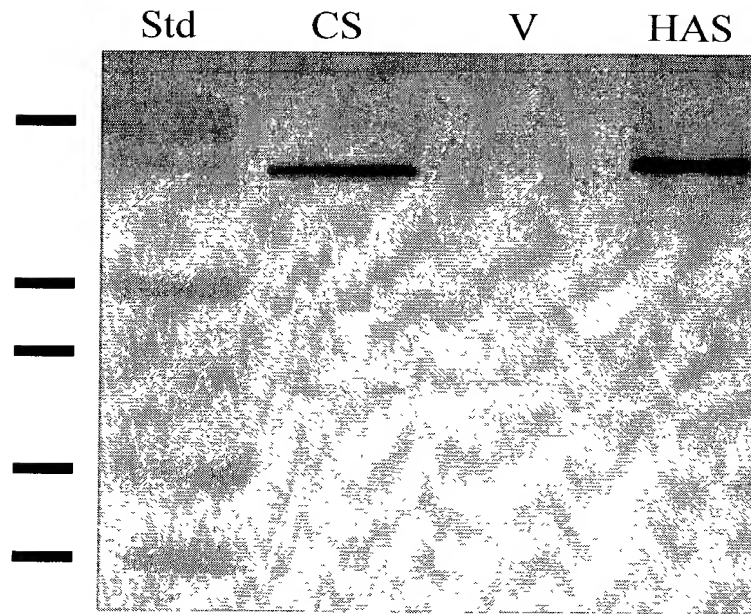


Fig. 2

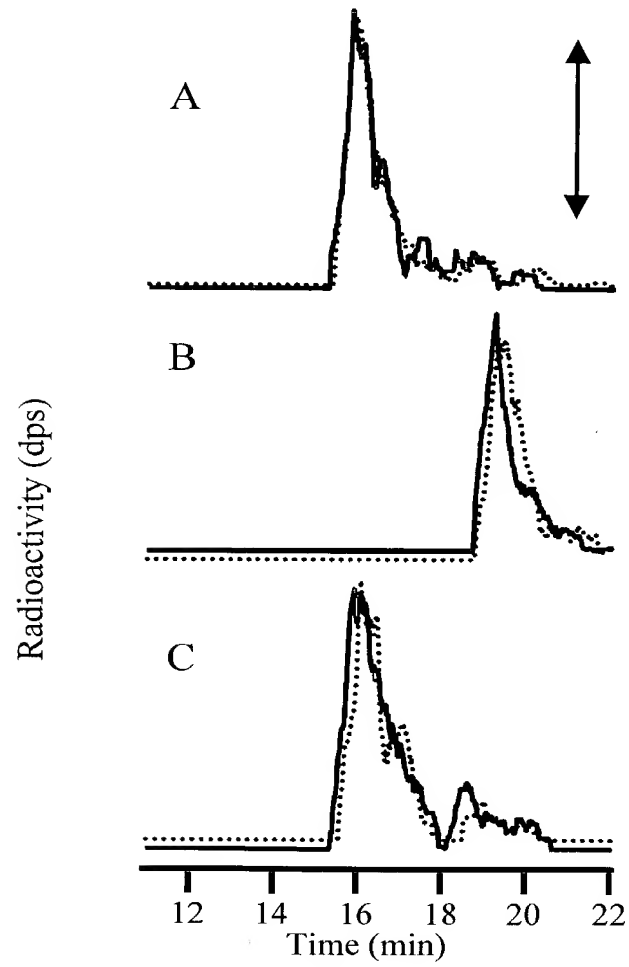


Fig. 3

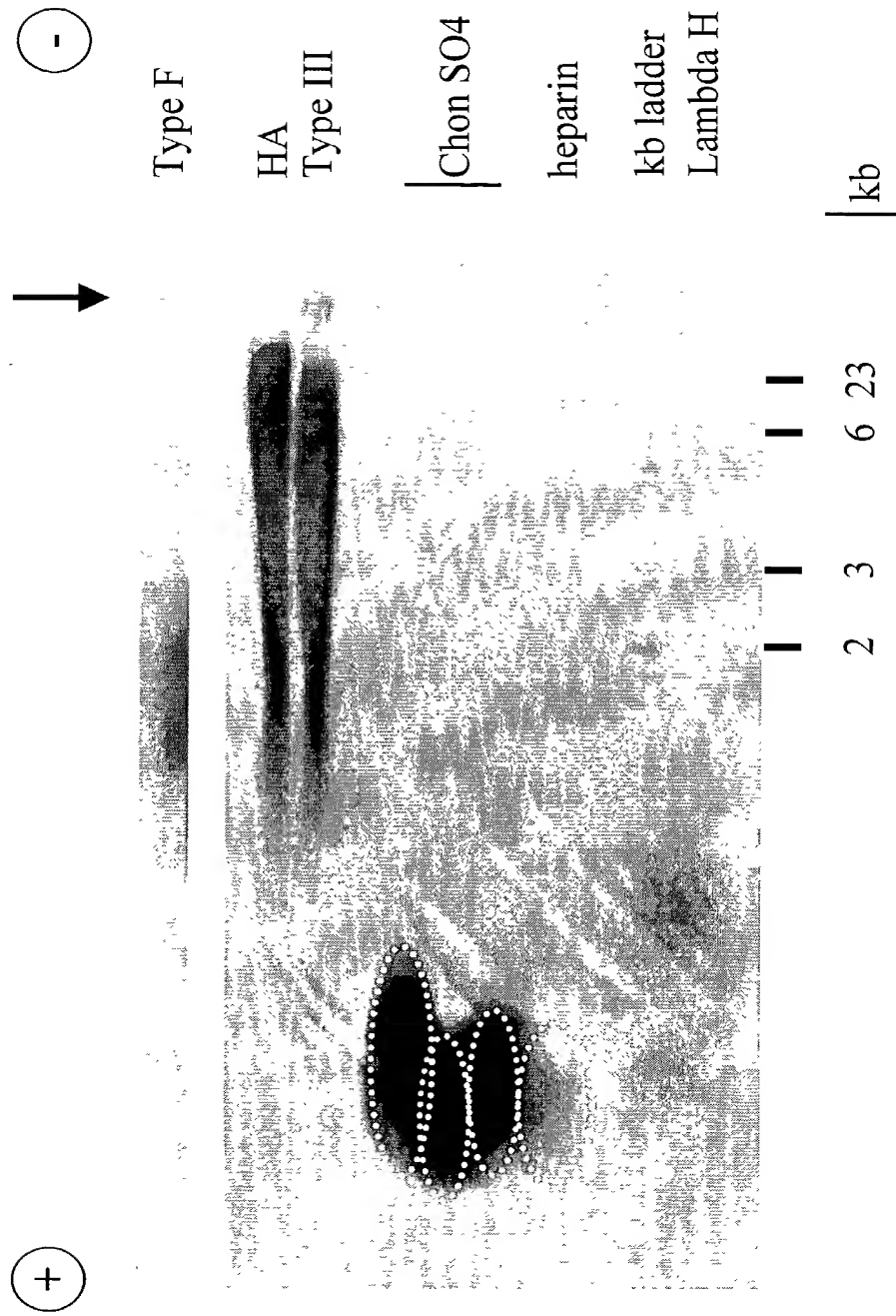


Fig. 4

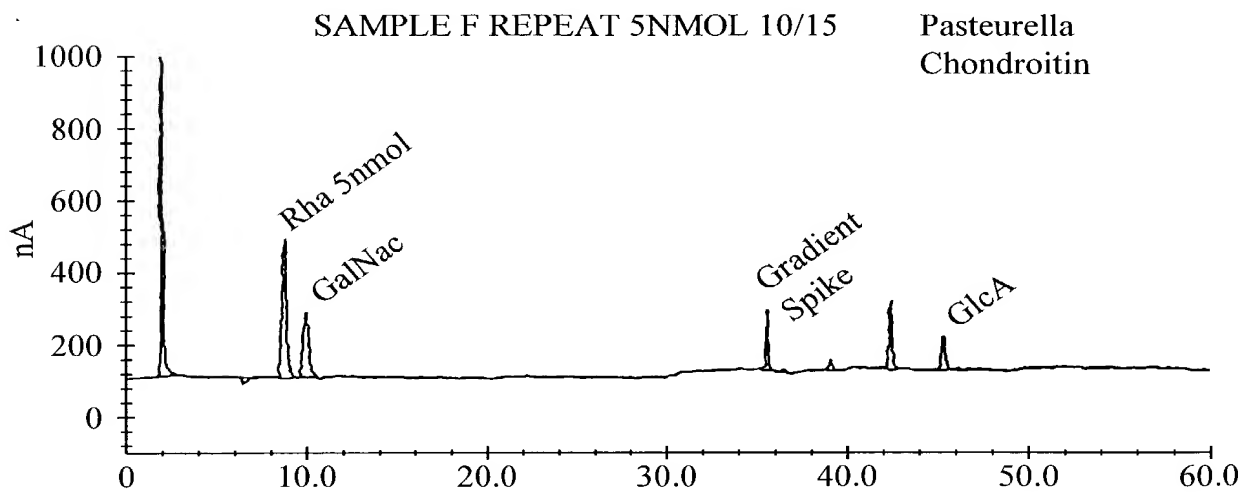
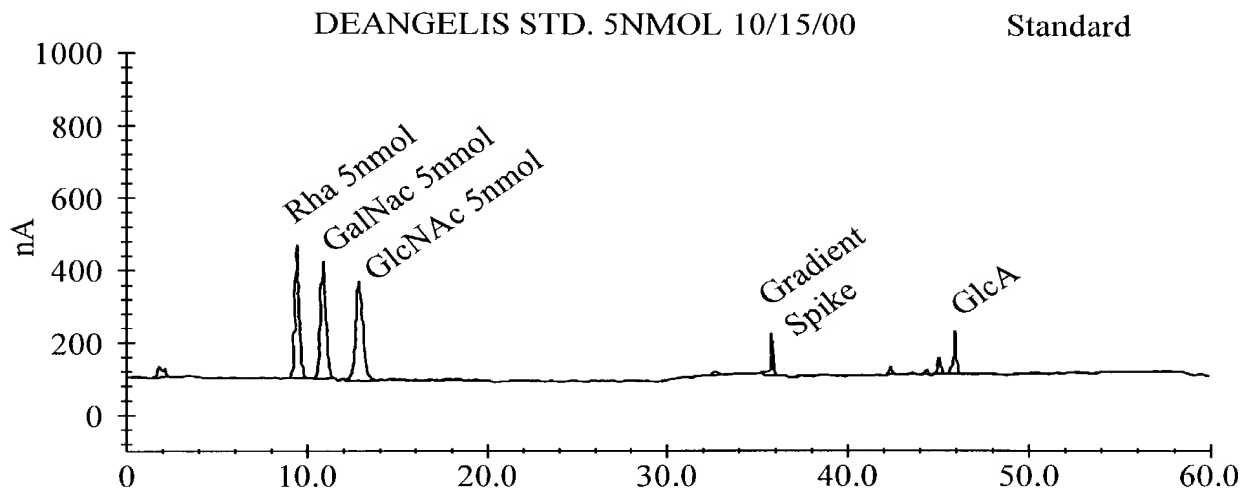


Fig. 5

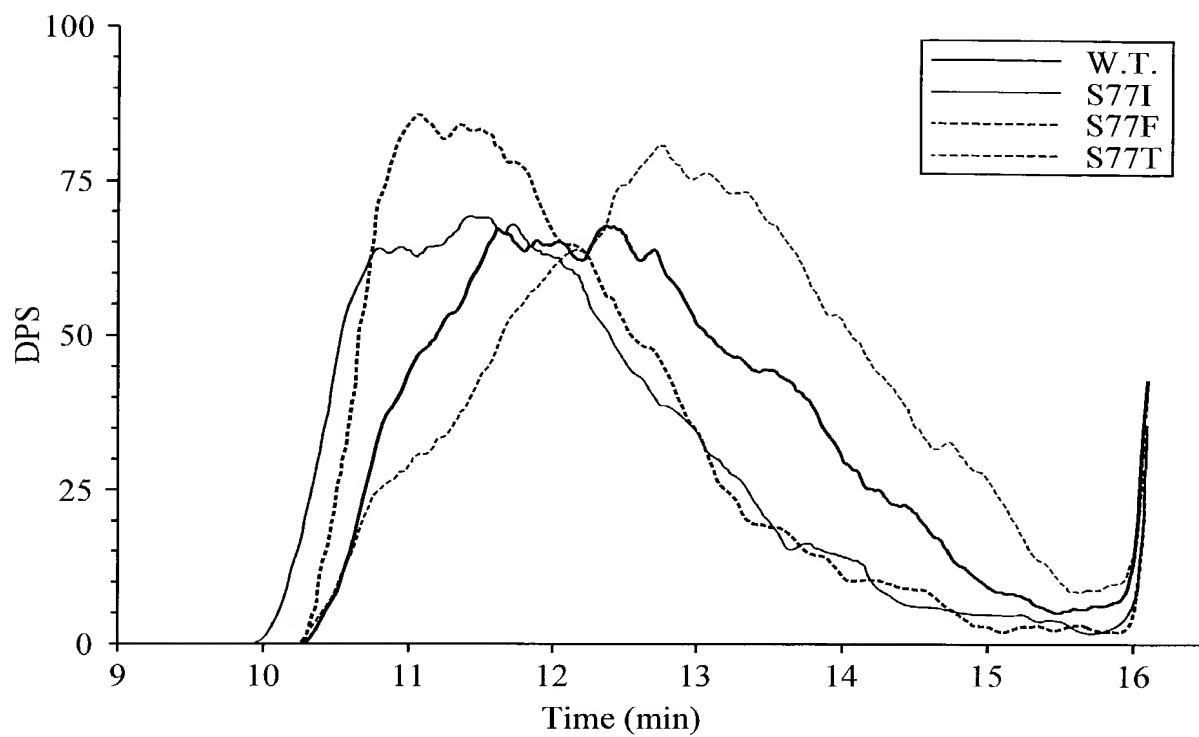


Fig. 6

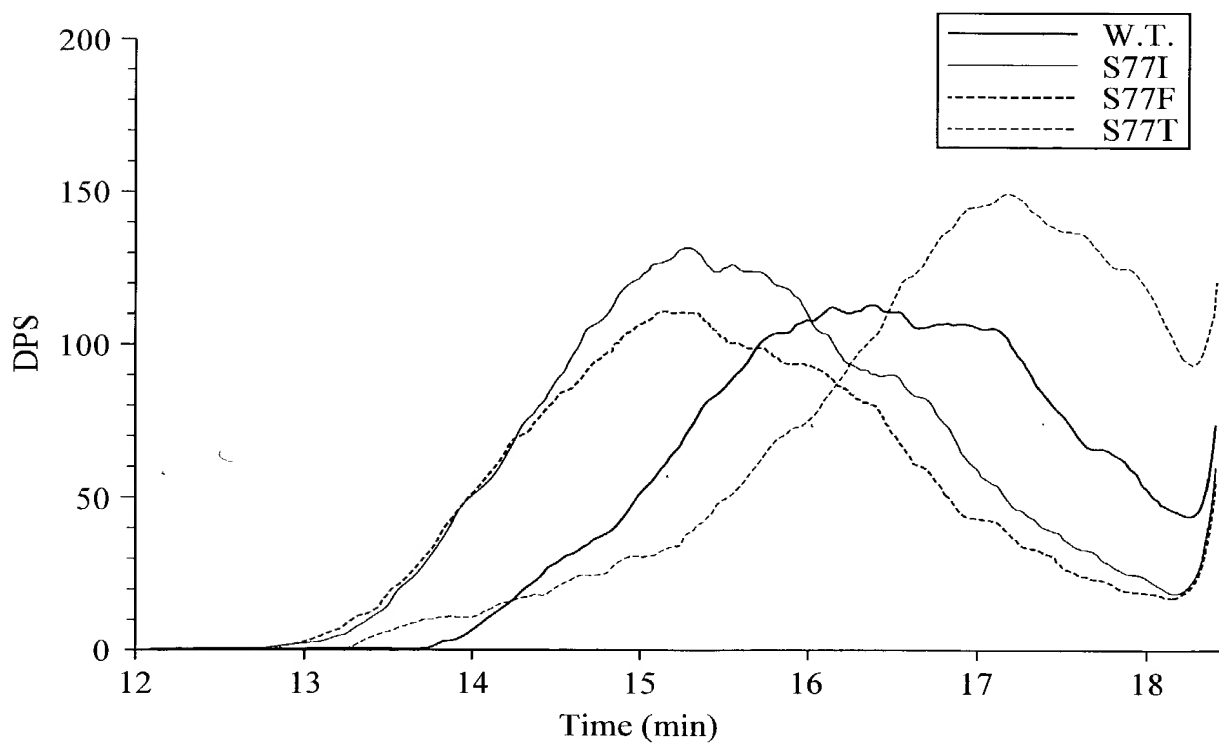


Fig. 7



NMR of Type F Polymer

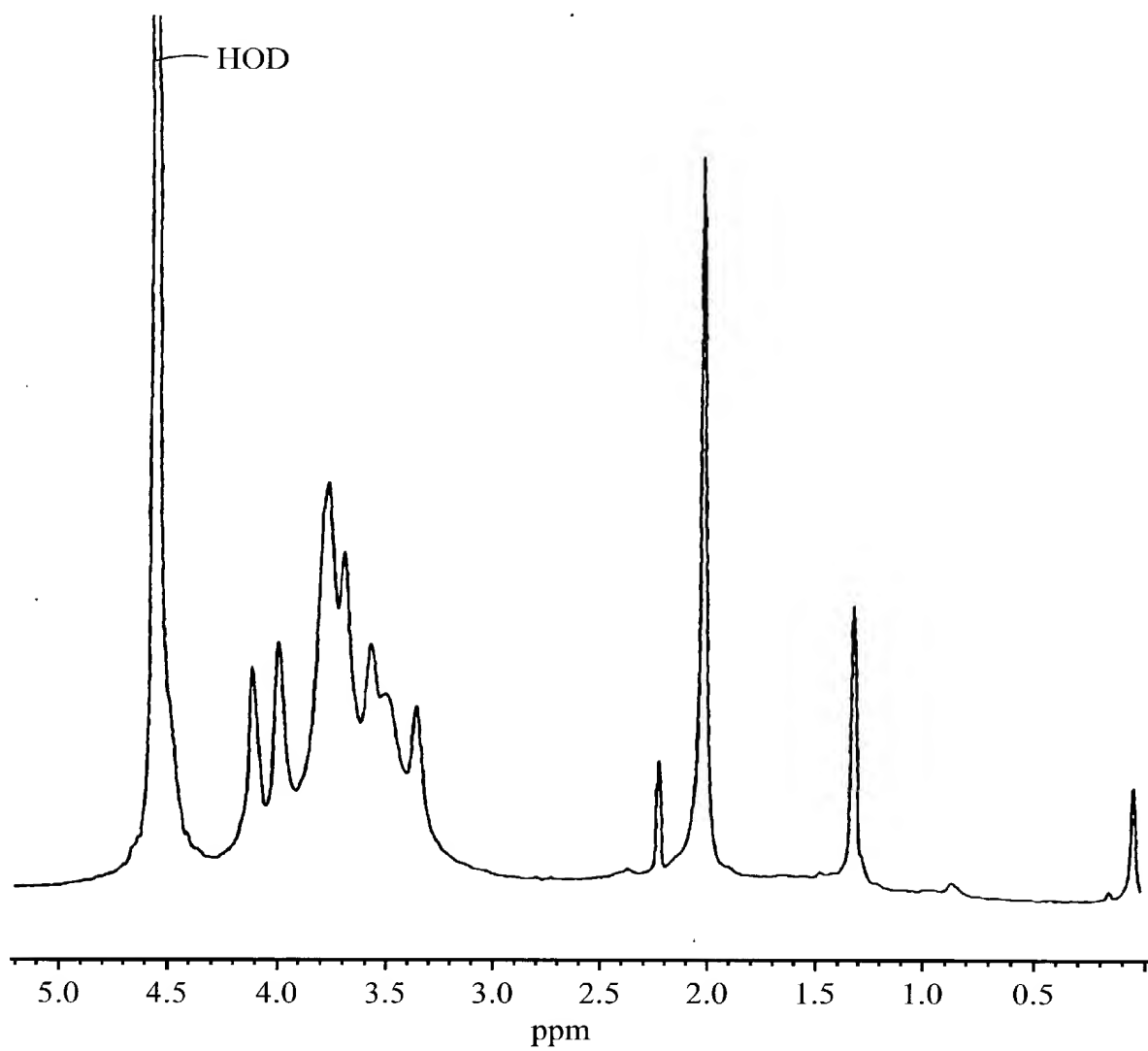


Fig. 8

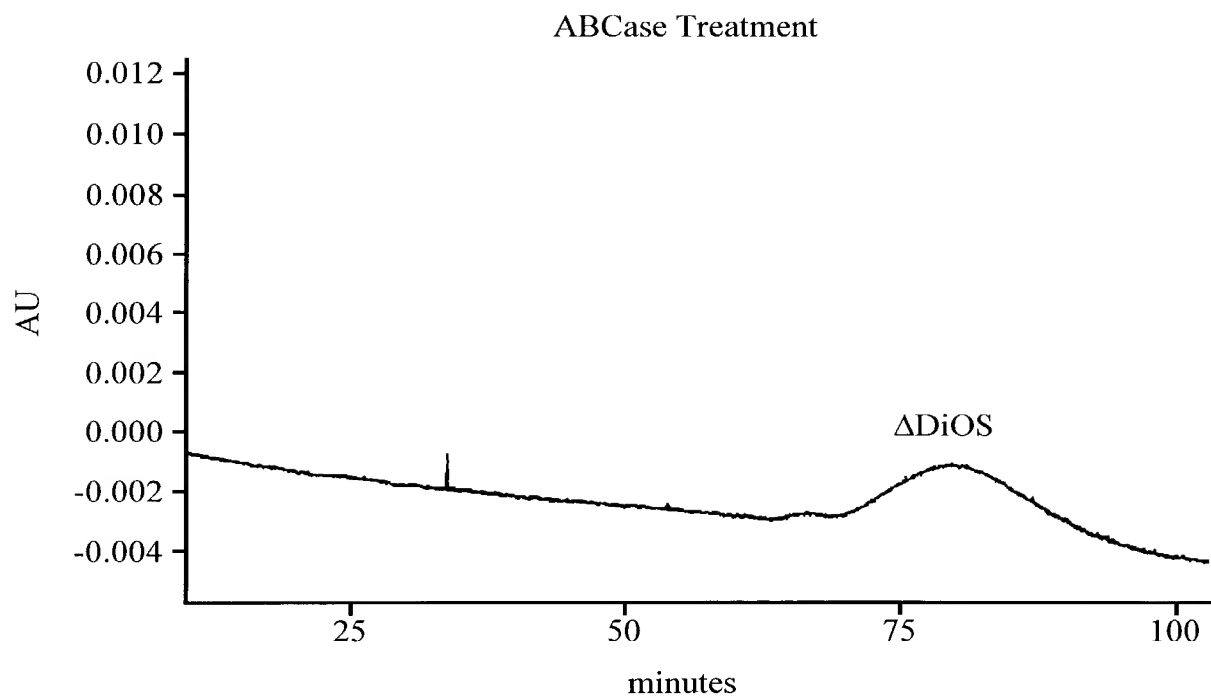


Fig. 9

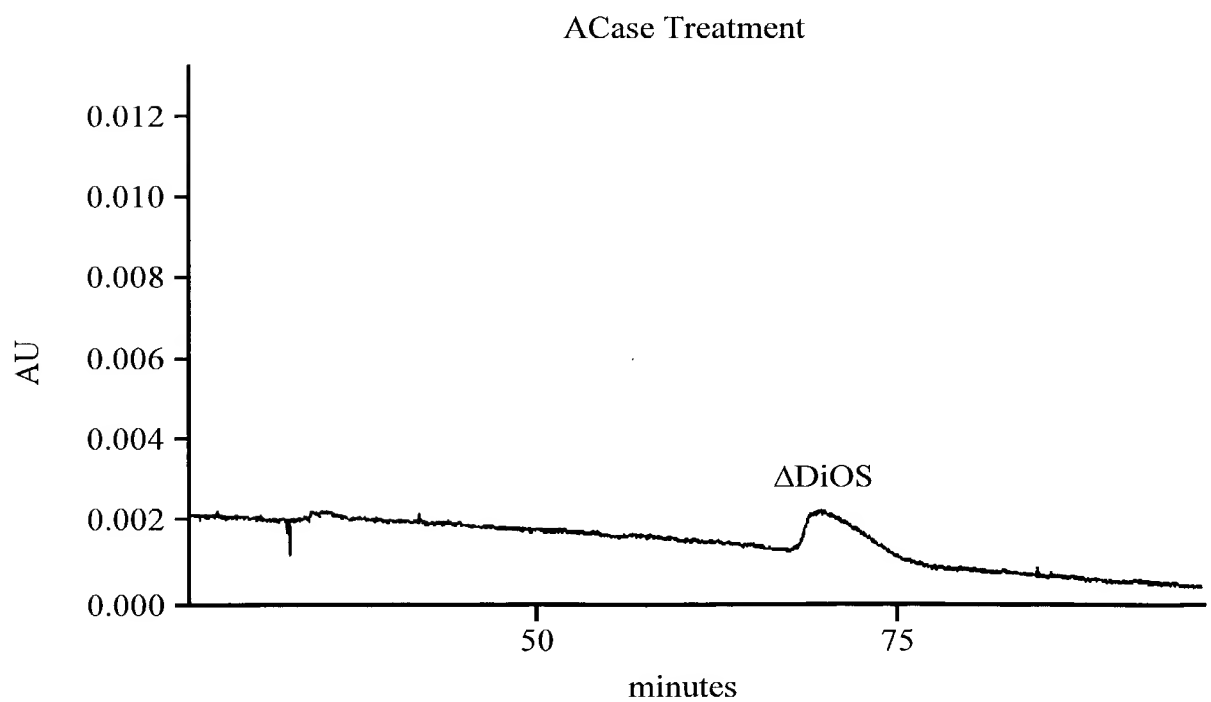


Fig. 10